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APPENDIX A: References

- ACS (2018) American FactFinder – Year Structure Built 2016, *American Community Survey, United States Census Bureau*. Accessed on 10/22/2018 from <https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>
- ASAM (2014) Treating Opioid Addiction as a Chronic Disease, *American Society of Addiction Medicine*, November 2014 from <https://www.asam.org/docs/default-source/advocacy/cmm-fact-sheet---11-07-14.pdf>
- ASIRT. (2019) Annual United States Road Crash Statistics. Association for Safe International Road Travel, from <http://asirt.org/initiatives/informing-road-users/road-safety-facts/road-crash-statistics>
- Baker, D. et al. (2013). A major solar eruptive event in July 2012: Defining extreme space weather scenarios. *Space Weather*, 11(10), 585-591.
- Baker, D. et al. (2008). Severe Space Weather Events-Understanding Societal and Economic Impacts. A Workshop Report. *The National Academy of Sciences*
- Barnosky et al., A. D. (2011). Has the Earth's sixth mass extinction already arrived? *Nature*, 471, 51-57.
- Burstein, Sumner (2015). Cannabidiol (CBD) and its analogs: a review of their effects on inflammation, *Bioorganic & Medicinal Chemistry*, Volume 23, Issue 7, 2015, Pages 1377-1385, ISSN 0968-0896, <https://doi.org/10.1016/j.bmc.2015.01.059>
- CDC (2017) Lyme Disease, US Department of Health & Human Services. Web August 14, 2017. From <https://www.cdc.gov/lyme/index.html>
- Cvijanovic et al. (2017). Future loss of Arctic sea-ice cover could drive a substantial decrease in California's rainfall. *Nature communications*, 8(1), 1947.
- Curano et al., E. D. (2008). Sharply increased insect herbivory during the Paleocene Eocene Thermal Maximum. *PNAS*, 105(6), 1960-1964.
- DCNR (2007) Earthquake Hazard in Pennsylvania. Educational Series 10.
- DEA (2015) *Analysis of Drug-Related Overdose Deaths in Pennsylvania, 2015* (Rep. No. DEA-PHL-DIR-009-16) DEA Philadelphia Division and the University of Pittsburgh.
- DEA & PITT (2018) *The Opioid Threat in Pennsylvania*, September 2018 (Rep. No. DEA PHL-DIR-036-18) DEA Philadelphia Division and the University of Pittsburgh. from www.overdosefreepa.pitt.edu
- DEA & PITT (2017) *Analysis of Drug-Related Overdose Deaths in Pennsylvania, 2016* (Rep. No. DEA-PHL-DIR-034-17) DEA Philadelphia Division and the University of Pittsburgh. from www.overdosefreepa.pitt.edu

Beaver County, Pennsylvania 2021

Hazard Mitigation Plan

- DHS (2017) Counter-Improvised Explosive Device (IED) Training and Awareness. *U.S. Department of Homeland Security*. From <https://www.dhs.gov/bombing-prevention-training>
- DHS (2004) News & Terrorism Communicating In A Crisis. *National Academies and the U.S. Department of Homeland Security*. From www.dhs.gov/xlibrary/assets/prep_biological_fact_sheet.pdf
- DHS Science and Technology Directorate (2015) Solar Storm Mitigation. *The Department of Homeland Security*. From https://www.dhs.gov/sites/default/files/publications/Solar%20Storm%20Mitigation-508_0.pdf
- EDDMapS. (2019). University of Georgia Center for Invasive Species and Ecosystem Health, USDA Forest Service, National Park Service, U.S. Fish & Wildlife Service, U.S. Army Corps of Engineers, NIFA. Retrieved from Early Detection & Distribution Mapping System: <http://www.eddmaps.org/>
- EIA (2018) *Energy-Related Carbon Dioxide Emissions by State, 2000-2015*. U.S. Energy Information Administration, January 2018, U.S. Department of Energy.
- EPA (2016). *What Climate Change Means for Pennsylvania*. EPA 430-F-16-040, United States Environmental Protection Agency, August 2016.
- EPA. (2017) Drought Response and Recovery: A Basic Guide for Water Utilities. *EPA Office of Water*, EPA 810-B-17-003 October 2017.
- Exec. Order No. 2019-01 (January 8, 2019) *Commonwealth Leadership in Addressing Climate Change and Promoting Energy Conservation and Sustainable Governance*, Governor Tom Wolf.
- Faust & Boyer (2018) Opioid Hysteria Comes to Massachusetts Courts. *The New York Times, Op-Ed Contributors*. January 23, 2018. From web <https://www.nytimes.com/2018/01/23/opinion/opioid-fentanyl-hysteria-massachusetts.html>
- FBI (2014) A Study of Active Shooter Incidents in the United States Between 2000 and 2013, U.S. Department of Justice Federal Bureau of Investigation. From Web July 2017: <https://www.fbi.gov/file-repository/active-shooter-study-2000-2013-1.pdf/view>
- Francis & Vavrus (2012) Evidence linking Arctic amplification to extreme weather in mid-latitudes, *Geophys. Res. Lett.*, 39, L06801, doi:10.1029/2012GL051000.
- Frankson et al. (2017): Pennsylvania State Summary. NOAA Technical Report NESDIS 149-PA, 4 pp
- Global Security (2017) 1968 Hong Kong Flu, *GlobalSecurity.org*. 2017. From https://www.globalsecurity.org/security/ops/hsc-scen-3_pandemic-1968.htm
- Gregory, Kelvin B. et al. "Water management challenges associated with the production of shale gas by hydraulic fracturing." *Elements* 7.3 (2011): 181-186.

Beaver County, Pennsylvania 2021 Hazard Mitigation Plan

- Harrigan et al., R. J. (2014). A continental risk assessment of West Nile virus under climate change. *Global Change Biology*, 20(8), 2417-2425.
- iMapInvasives.org. (2019) Nature Serve, Retrieved from iMapInvasives:
<http://imapinvasives.org/>
- Iseger & Bossong (2015). A systematic review of the antipsychotic properties of cannabidiol in humans, *Schizophrenia Research*, Volume 162, Issues 1–3, 2015, Pages 153-161, ISSN 0920-9964, <https://doi.org/10.1016/j.schres.2015.01.033>
- Johnson, M. W. (2014). Pilot study of the 5-HT_{2A}R agonist psilocybin in the treatment of tobacco addiction. *Journal of psychopharmacology*, 28(11), 983-992. doi: 10.1177/0269881114548296
- Knowledge Center (2019) Knowledge Center Incidents for Beaver County. *Knowledge Center Enterprises, LLC*. From <http://knowledge-center.com/>
- Kossin et al., (2017) *Extreme storms. In: Climate Science Special Report: Fourth National Climate Assessment, Volume I*. U.S. Global Change Research Program, Washington, DC, USA, pp. 257-276, doi: 10.7930/J07S7KXX.
- Lynch & Campbell (2011). Cannabinoids for treatment of chronic non-cancer pain; a systematic review of randomized trials. *British Journal of Clinical Pharmacology*, 72: 735–744. doi:10.1111/j.1365-2125.2011.03970.x
- Main, Douglas (2013, August 13) Doomsday Fear: Could an EMP Throw World into Chaos? *Live Science*, from <http://www.livescience.com/38848-emp-solar-storm-danger.html>
- Martinuzzi, S. et al. (2015). The 2010 wildland-urban interface of the conterminous United States-geospatial data. *USDA, USFS*.
- Maximino, Martin (2015) Active shooters: U.S. trends and perpetrators characteristics, *Journalist's Resource*, Harvard Kennedy School's Shorenstein Center & Carnegie-Knight Initiative, From Web July 2017: <https://journalistsresource.org/studies/government/criminal-justice/active-shooters-u-s-mass-killing-trends-perpetrators-characteristics>
- Meehl et al., G. A. (2009). Relative increase of record high maximum temperatures compared to record low minimum temperatures in the U.S. *Geophysical Research Letters*, 36(23).
- Meyer, Robinson. (2016) “Why Does Fracking (Sometimes) Trigger Earthquakes?” *The Atlantic*. 26 Sept. 2016. Web. 9 Dec. 2016
- Miller, G. (2016, November 3). Could pot help solve the U.S. opioid epidemic? AAAS, from <http://www.sciencemag.org/news/2016/11/could-pot-help-solve-us-opioid-epidemic>
- Moss et al. (2017) ACMT and AACT Position Statement: Preventing Occupational Fentanyl and Fentanyl Analog Exposure to Emergency Responders. August 25, 2017, *Journal of medical toxicology: official journal of the American College of Medical Toxicology*, 13(4)

Beaver County, Pennsylvania 2021 Hazard Mitigation Plan

347-351 doi: 10.1007/s13181-017-0628-2

- NASA (2016, April 26) Solar Storm and Space Weather – Frequently Asked Questions. NASA, from https://www.nasa.gov/mission_pages/sunearth/spaceweather/index.html
- NCEI. (2017). Severe Weather Data. Retrieved from NOAA National Centers for Environmental Information: <https://www.ncdc.noaa.gov/data-access/severe-weather>
- NIH (2017) Opioid. National Institute on Drug Abuse, from <https://www.drugabuse.gov/drugs-abuse/opioids>
- NOAA (2018). Climate Change and Extreme Snow in the U.S.. National Oceanic and Atmospheric Administration National Centers For Environmental Information. Web January 2018 From <https://www.ncdc.noaa.gov/news/climate-change-and-extreme-snow-us>
- NWS (2019). Normal Snowfall. Retrieved from National Weather Service: <http://www.weather.gov/ctp/SnowNormals>
- O’Neill & Wheeler (2018) Myths and misinformation about law enforcement and fentanyl exposure: perpetuating stigma, causing harm. *Harm Reduction Coalition*, 2018. From web <https://harmreduction.org/blog/fentanyl-exposure/>
- Osborn, Stephen G., et al. "Methane contamination of drinking water accompanying gas well drilling and hydraulic fracturing." *proceedings of the National Academy of Sciences* 108.20 (2011): 8172-8176.
- Overdose Free PA (2019). Pennsylvania Opioid Overdose Reduction Technical Assistance Center (TAC), University of Pittsburgh School of Pharmacy Program Evaluation and Research Unit (PERU). From <https://www.overdosefreepa.pitt.edu/>
- PA DCNR (2016) DCNR Invasive Plants, PDF. http://www.dcnr.state.pa.us/cs/groups/public/documents/document/dcnr_20026634.pdf
- PA DCNR Forestry (2017) Wildfire in Pennsylvania. *Pennsylvania Department of Conservation and Natural Resources*. From <http://www.dcnr.state.pa.us/forestry/wildlandfire/firestatistics/index.htm>
- PA DEP (2018) *Pennsylvania Climate Action Plan*, November 20, 2018 (Draft). Prepared by ICF, Pennsylvania Department of Environmental Protection.
- PA DEP (2017) PA Oil and Gas Mapping. *ESRI* From <http://www.depgis.state.pa.us/PAOilAndGasMapping/OilGasWellsStrayGasMap.tml>
- PA DEP (2019) Drought Information, Pennsylvania Department of Environmental Protection. From <http://www.dep.pa.gov/Business/Water/PlanningConservation/Drought/Pages/default.aspx>

Beaver County, Pennsylvania 2021 Hazard Mitigation Plan

- PA DEP (2019) "Natural Gas Drilling in Pennsylvania." State Impact Pennsylvania. NPR, 2011. <http://stateimpact.npr.org/pennsylvania/drilling/counties>
- PA DOH (2017) Lyme Disease and Other Tick-Borne Diseases. PA.GOV. From <http://www.health.pa.gov/My%20Health/Diseases%20and%20Conditions/I-L/Pages/Lyme-Disease-.aspx#.WcKjT7KGOUm>
- PA Department of Health. (2005). Pennsylvania's Influenza Pandemic Response Plan. PA Department of Health.
- PaGWIS (2019) Pennsylvania Groundwater Information System. PA DCNR. From <http://www.dcnr.state.pa.us/topogeo/groundwater/pagwis/index.htm>
- PA Prescribed Fire Council (2019) Controlled Burning- Hunter Notification Map. PA Game Commission. From <https://paprescribedfire.org/map> on March 2019.
- PA West Nile Virus Control Program (2019) PA West Nile Virus Control Program, PA DEP, PA DOH, PA DOA. From <http://www.westnile.state.pa.us/>
- Pechony & Shindell. (2010). Driving forces of global wildfires over the past millennium and the forthcoming century. PNAS, 107(45), 19167-19170.
- PENNDOT (2019) Crash Analysis Report Custom Query Tool. March 2019 From <https://www.dotcrashinfo.pa.gov/PCIT/queryTool.html>
- Phillips, T. (2014, July 23) Near Miss: The Solar Superstorm of July 2012. NASA, from https://science.nasa.gov/science-news/science-at-nasa/2014/23jul_superstorm
- Phillips, T. (2009, January 21) Severe Space Weather – Social and Economic Impacts. NASA, from https://science.nasa.gov/science-news/science-at-asa/2009/21jan_severespaceweather
- PHMSA (2019) Hazmat Incident Report Search, *U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration*, From <https://www.phmsa.dot.gov/hazmat/library/data-stats/incidents>
- Pollen, M (2018) The New Science of Psychedelics. *The Wall Street Journal*, May 3 2018 from web: <https://michaelpollan.com/articles-archive/the-new-science-of-psychedelics/>
- PRISM (2015) 30-Year Normals. *PRISM Climate Group, Northwest Alliance for Computational Science and Engineering*. From <http://www.prism.oregonstate.edu/normals/>
- Riley, P. (2012). On the probability of occurrence of extreme space weather events. *Space Weather*, 10(2).
- Scuderi, C. et al. (2009). Cannabidiol in medicine: a review of its therapeutic potential in CNS disorders. *Phyther. Res.*, 23: 597–602. doi:10.1002/ptr.2625

Beaver County, Pennsylvania 2021

Hazard Mitigation Plan

- Servick, K. (2016, November 3). Why painkillers sometimes make the pain worse. Retrieved from Science, <http://www.sciencemag.org/news/2016/11/why-painkillers-sometimes-make-pain-worse>
- Sheffield & Wood. (2008). Projected changes in drought occurrence under future global warming from multi-model, multi-scenario, IPCC AR4 simulations. *Climate Dynamics*, 31(1), 79-105.
- Shirzaei, M. et al. (2016) "Surface Uplift and Time-dependent Seismic Hazard Due to Fluid Injection in Eastern Texas." *Science* 353.6306: 1416-419.
- Shortle et al., (2015) *Pennsylvania Climate Impact Assessment Update*. Environment and Natural Resources Institute, The Pennsylvania State University. Report to Pennsylvania Department of Environmental Protection.
- Stott et al. (2010). Detection and attribution of climate change: a regional perspective. *Wiley Interdisciplinary Reviews: Climate Change*, 1(2), 192-211.
- Trenberth, K. E. (2010). Changes in precipitation with climate change. National Center for Atmospheric Research.
- Trenberth, K. E., et al., (2018). Hurricane Harvey links to Ocean Heat Content and Climate Change Adaptation. *Earth's Future*.
- USDA (2012) 2012 Census Publications, State and County Profiles. United States Department of Agriculture. From https://www.agcensus.usda.gov/Publications/2012/Online_Resources/County_Profiles/Pennsylvania/index.asp
- USDA Forest Service. (2019). Retrieved from Alien Forest Pest Explorer: <http://foresthealth.fs.usda.gov/portal/Flex/APE>
- US GAO (2017, January) Electricity: Federal Efforts to Enhance Grid Resilience. Report to the Ranking Member Subcommittee on Oversight, Committee on Science, Space, and Technology, House of Representatives. *The United States Government Accountability Office*.
- USGS (2019) Drinking Water Health Standards Comparison and Chemical Analysis of Groundwater for Domestic Wells in Beaver County, Pennsylvania, 2016. *U.S. Department of the Interior & U.S. Geological Survey, Scientific Investigations Report 2018-5170 Version 102*, May 2019. Web from <https://pubs.usgs.gov/sir/2018/5170/sir20185170.pdf>
- USGS (2016) "Landslide Hazards Program." *Learn*. Web Dec. 2016. From <https://landslides.usgs.gov/learn/>
- USGS (2016) "Induced Earthquakes." *Earthquake Hazards Program*. Web. July 2017. From <https://earthquake.usgs.gov/research/induced/>
- USGS. (2012, October). Historic Earthquakes. Retrieved from Earthquake Hazards Program:http://earthquake.usgs.gov/earthquakes/eqarchives/year/1998/1998_09_25.php

Beaver County, Pennsylvania 2021 Hazard Mitigation Plan

USNRC (2014) Emergency Planning Zones, United States Nuclear Regulatory Commission. Web July 2017. From <https://www.nrc.gov/about-nrc/emerg-preparedness/about-emerg-preparedness/planning-zones.html>

Van der Baan & Calixto (2017) How widespread is induced seismicity in Canada and the USA? 79th EAGE Conference Exhibition 2017, EAGE. DOI: 10.3997/2214-4609.201701670

Vose et al. (2017) Temperature changes in the United States. In: *Climate Science Special Report: Fourth National Climate Assessment, Volume I*. U.S. Global Change Research Program, Washington, DC, USA, pp. 185-206, doi: 10.7930/J0N29V45.

Wake & Vredenburg. (2008). Are we in the midst of the sixth mass extinction? A view from the world of amphibians. *PNAS*, 105, 11466-11473.

Wehner et al., (2017) *Droughts, floods, and wildfires*. In: *Climate Science Special Report: Fourth National Climate Assessment, Volume I*. U.S. Global Change Research Program, Washington, DC, USA, pp. 231-256 doi: 10.7930/J0CJ8BNN

Zhang, W., et al., (2018). Urbanization exacerbated the rainfall and flooding caused by hurricane Harvey in Houston. *Nature*, 563(7731), 384.

Zhao et al. (2018) Analytical investigation of hydraulic fracture-induced seismicity and fault activation. *Environmental Earth Sciences* 77:526. DOI: 10.1007/s12665-018-7708-8